



Manistee County Board of Commissioners

Manistee County Courthouse • 415 Third Street • Manistee, Michigan 49660

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(231) 723-3331

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Thomas Kaminski
(231) 398-3500

MANISTEE COUNTY GREEN TEAM/RECYCLING COMMITTEE

Friday, November 13, 2009
10:00 A.M.

Manistee County Courthouse & Government Center
Board of Commissioners Meeting Room

AGENDA

- 1) Recycling Bids - Mary Pitcher
- 2) Water Conservation - Bruce Schimke (APPENDIX A)
- 3) Grants Update
- 4) Other Items from Committee Members
- 5) Adjournment



1160 TROWBRIDGE DRIVE ALPENA, MICHIGAN 49707 PH 989.358.1590 FX 989.358.1490
email npoll2@verizon.net

Manistee County Water Conservation Proposal

Project

This project will provide information for saving water and energy using water conservation devices in existing toilets, faucets and showers. The savings will reduce expenses and providing energy efficiency while reducing carbon footprint to meet carbon caps.

Manistee County and other water information

The Manistee water and sewer rate per 1,000 gallons is \$2.60 for water and \$5.20 for sewer for a total of \$7.80 per 1,000 gallons.

This program provides LEED™ points using these products and this information can be combined with other energy saving programs you are using or plan to use in the future.

The solutions presented will save water beyond the level set by the Energy Policy Act of 1992. Savings of 10% to 75% are found at your faucets, showers, flushometer toilets and urinals and commercial kitchen pre-rinse spray valves.

Project information needed

The following information will be needed-

- We would request the assistance of a Manistee County person to guide us through the buildings to look at the fixtures and take measurements of the flow rates.
- Fixture count for the building.
- A copy of a current water and sewer bill will be needed for checking the rates charged.
- Number of guests and staff using the buildings and number of days each building is used per week and number of weeks per year.
- Consider putting irrigation on a separate water meter if it has only one meter. It will save on the sewer costs of \$5.20 per 1,000 gallons.

Project will provide

A-Z

We will perform a complete audit and feasibility study for each building and it will provide-

- What is the solution for saving water
- What is the cost of the devices for saving water
- What is the return on investment
- How much energy can be saved for using less hot water
- What is the projected water and energy money savings
- Gallons of water saved per day, month and year
- Pounds of pollution saved using less energy for the hot water
- Does not include labor for installation (can be provided if requested).

J Norman Company, LLC provides a one-year unconditional guarantee for the products sold. You must be satisfied with the products or we will replace or refund you purchase price for any product that does not perform as stated. It is our goal to eliminate the risk for Manistee County.

We thank you for your interest in this vitally important program for Manistee County.

The three buildings included for this proposal are County Building, Jail and Health. Each building will have a separate study.

The cost for the proposal is \$275.00

Please contact Norm Poli at 989.358.1590 with any questions and any additional information needed.

October 14, 2009